Sl No	Item Name	Unit	Nos	L	B	D	Qty
	Recorded on:						
2	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification As directed by the engineer in						
	For Toe wall						
	Ring bund	cum	17	30.00	0.60	0.075	22.95
		cum	1	5.00	0.60	0.075	0.23
	Island-1	cum	7	30.00	0.60	0.075	9.45
		cum	1	5.00	0.60	0.075	0.23
	Island-2	cum	6	30.00	0.60	0.075	8.10
		cum	1	22.00	0.60	0.075	0.99
	For Templates						
	For Island- 1						
	Template -1	cum	1	5.00	0.45	0.075	0.17
	Template -2	cum	1	4.60	0.45	0.075	0.16
	Template -3	cum	1	4.40	0.45	0.075	0.15
	Template -4	cum	1	4.40	0.45	0.075	0.15
	Template -5	cum	1	4.20	0.45	0.075	0.14
	Template -6	cum	1	3.00	0.45	0.075	0.10
	Template -7	cum	1	3.00	0.45	0.075	0.10
	Template -8	cum	1	3.60	0.45	0.075	0.12
	Template -9	cum	1	3.90	0.45	0.075	0.13
	Template -10	cum	1	3.20	0.45	0.075	0.11
	Template -11	cum	1	3.20	0.45	0.075	0.11
	Template -12	cum	1	3.90	0.45	0.075	0.13
	Template -13	cum	1	4.60	0.45	0.075	0.16
	Template -14	cum	1	4.80	0.45	0.075	0.16
	For Island- 2						
	Template -1	cum	1	4.40	0.45	0.075	0.15
	Template -2	cum	1	4.00	0.45	0.075	0.14
	Template -3	cum	1	4.10	0.45	0.075	0.14
	Template -4	cum	1	4.40	0.45	0.075	0.15
	Template -5	cum	1	4.50	0.45	0.075	0.15
	Template -6	cum	1	4.00	0.45	0.075	0.14
	Template -7	cum	1	4.00	0.45	0.075	0.14
	Template -8	cum	1	4.00	0.45	0.075	0.14
	Template -9	cum	1	6.00	0.45	0.075	0.20
	Template -10	cum	1	6.30	0.45	0.075	0.21
	Template -11	cum	1	6.30	0.45	0.075	0.21
	Template -12	cum	1	7.00	0.45	0.075	0.24
	Template -13	cum	1	5.80	0.45	0.075	0.20
		cum					**46.01**

AE
30/3/17

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
	Recorded on:						
EI-8	Providing and laying **Pitching on slopes** laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications A. Stone / Boulder						
	Ring bund	cum	1	30.00	(1+0.95)/2	0.45	13.16
		cum	1	30.00	(0.95+0.9)/2	0.45	12.49
		cum	1	30.00	(0.9+1)/2	0.45	12.83
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+1.05)/2	0.45	13.84
		cum	1	30.00	(1.05+1)/2	0.45	13.84
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+1.05)/2	0.45	13.84
		cum	1	30.00	(1.05+1)/2	0.45	13.84
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+1)/2	0.45	13.50
		cum	1	30.00	(1+0.9)/2	0.45	12.83
		cum	1	30.00	(0.9+1)/2	0.45	12.83
		cum	1	9.00	(1+1)/2	0.45	4.05
	For Island- 1						
		cum	1	17.10	(5+4.6)/2	0.45	36.94
		cum	1	15.20	(4.6+4.4)/2	0.45	30.78
		cum	1	15.20	(4.4+4.4)/2	0.45	30.10
		cum	1	15.30	(4.4+4.2)/2	0.45	29.61
		cum	1	15.30	(4.2+3)/2	0.45	24.79
		cum	1	15.40	(3+3)/2	0.45	20.79
		cum	1	15.50	(3+3.6)/2	0.45	23.02
		cum	1	15.40	(3.6+3.9)/2	0.45	25.99
		cum	1	15.25	(3.9+3.2)/2	0.45	24.36
		cum	1	15.50	(3.2+3.2)/2	0.45	22.32
		cum	1	15.30	(3.2+3.9)/2	0.45	24.44
		cum	1	14.90	(3.9+4.6)/2	0.45	28.50
		cum	1	15.10	(4.6+4.8)/2	0.45	31.94
		cum	1	15.70	(4.8+5)/2	0.45	34.62
	For Island- 2						
		cum	1	15.00	(4.4+4)/2	0.45	28.35
		cum	1	11.70	(4+4.1)/2	0.45	21.32
		cum	1	12.80	(4.1+4.4)/2	0.45	24.48
		cum	1	14.55	(4.4+4.5)/2	0.45	29.14
		cum	1	15.50	(4.5+4)/2	0.45	29.64
		cum	1	15.00	(4+4)/2	0.45	27.00
		cum	1	14.90	(4+4)/2	0.45	26.82
		cum	1	15.10	(4+6)/2	0.45	33.98
		cum	1	15.00	(6+6.3)/2	0.45	41.51

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
		cum	1	14.90	(6.3+6.3)/2	0.45	42.24
		cum	1	14.60	(6.3+7)/2	0.45	43.69
		cum	1	14.80	(7+5.8)/2	0.45	42.62
		cum	1	14.85	(5.8+4.4)/2	0.45	34.08
							1031.08
	Recorded on:						
EI-7	Excavation for foundation in all kinds of soil including boulders up to 0.60 m dia (0.113 cum) for dam, barrage, spillway, intake structure and other appurtenant works and placing the excavated soil neatly in dump area or disposing off the same as directed etc., complete with initial lead up to 1 km and all lifts.						
	For Toe wall						
	Wetland bund	cum	2x5	30.00	0.60	0.30	54.00
		cum	2	29.00	0.60	0.30	10.44
	Bund attached to ring bund u/s	cum	3	30.00	0.60	0.30	16.20
		cum	1	4.20	0.60	0.30	0.76
	Bund attached to ring bund d/s	cum	2	30.00	0.60	0.30	10.80
		cum	1	6.15	0.60	0.30	1.11
	wetland u/s towords park	cum	1	27.25	0.60	0.30	4.91
	wetland d/s towords park	cum	1	18.85	0.60	0.30	3.39
	for Island-1 inside wetland	cum	1	23.00	0.60	0.30	4.14
	for Island-2 inside wetland	cum	1	30.00	0.60	0.30	5.40
		cum	1	13.50	0.60	0.30	2.43
	For Templates						
	Wetland bund d/s						
	Template -1	cum	1	3.00	0.45	0.375	0.51
	Template -2	cum	1	3.00	0.45	0.375	0.51
	Template -3	cum	1	3.00	0.45	0.375	0.51
	Template -4	cum	1	3.00	0.45	0.375	0.51
	Template -5	cum	1	3.25	0.45	0.375	0.55
	Template -6	cum	1	3.20	0.45	0.375	0.54
	Template -7	cum	1	3.20	0.45	0.375	0.54
	Template -8	cum	1	3.25	0.45	0.375	0.55
	Template -9	cum	1	2.80	0.45	0.375	0.47
	Wetland bund u/s						
	Template -1	cum	1	4.00	0.45	0.375	0.68
	Template -2	cum	1	3.90	0.45	0.375	0.66
	Template -3	cum	1	3.90	0.45	0.375	0.66
	Template -4	cum	1	3.90	0.45	0.375	0.66
	Template -5	cum	1	3.90	0.45	0.375	0.66
	Template -6	cum	1	4.20	0.45	0.375	0.71
	Template -7	cum	1	4.20	0.45	0.375	0.71
	Template -8	cum	1	4.00	0.45	0.375	0.68

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Environmental Engineer

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
	Bund attatched to ring bund u/s						
	Template -1	cum	1	3.10	0.45	0.375	0.52
	Template -2	cum	1	3.60	0.45	0.375	0.61
	Template -3	cum	1	3.00	0.45	0.375	0.51
	Template -4	cum	1	2.80	0.45	0.375	0.47
	Template -5	cum	1	2.50	0.45	0.375	0.42
	Template -6	cum	1	1.10	0.45	0.375	0.19
	wetland u/s towords park						
	Template -1	cum	1	3.60	0.45	0.375	0.61
	Template -2	cum	1	4.00	0.45	0.375	0.68
	Template -3	cum	1	4.00	0.45	0.375	0.68
	wetland d/s towords park						
	Template -1	cum	1	3.90	0.45	0.375	0.66
	Template -2	cum	1	3.60	0.45	0.375	0.61
	Template -3	cum	1	3.70	0.45	0.375	0.62
	for Island-1 inside wetland						
	Template -1	cum	1	2.50	0.45	0.375	0.42
	Template -2	cum	1	2.50	0.45	0.375	0.42
	Template -3	cum	1	2.50	0.45	0.375	0.42
	for Island-2 inside wetland						
	Template -1	cum	1	3.50	0.45	0.375	0.59
	Template -2	cum	1	3.50	0.45	0.375	0.59
	Template -3	cum	1	3.50	0.45	0.375	0.59
	Template -4	cum	1	3.50	0.45	0.375	0.59
	Template -5	cum	1	3.50	0.45	0.375	0.59
	Template -6	cum	1	3.50	0.45	0.375	0.59
							135.02

AE
11/4/17

	Recorded on:						
8	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification As directed by the engineer in charge						
	For Toe wall						
	Wetland bund	cum	2x5	30.00	0.60	0.15	27.00
		cum	2	29.00	0.60	0.15	5.22
	Bund attached to ring bund u/s	cum	3	30.00	0.60	0.10	5.40
		cum	1	4.20	0.60	0.10	0.25
	Bund attached to ring bund d/s	cum	2	30.00	0.60	0.10	3.60
		cum	1	6.15	0.60	0.10	0.37
	wetland u/s towords park	cum	1	27.25	0.60	0.10	1.64
	wetland d/s towords park	cum	1	18.85	0.60	0.10	1.13

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Environmental Engineer

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
	for Island-1 inside wetland	cum	1	23.00	0.60	0.10	1.38
	for Island-2 inside wetland	cum	1	30.00	0.60	0.10	1.80
		cum	1	13.50	0.60	0.10	0.81
	For Templates						
	Wetland bund d/s						
	Template -1	cum	1	3.00	0.45	0.10	0.14
	Template -2	cum	1	3.00	0.45	0.10	0.14
	Template -3	cum	1	3.00	0.45	0.10	0.14
	Template -4	cum	1	3.00	0.45	0.10	0.14
	Template -5	cum	1	3.25	0.45	0.10	0.15
	Template -6	cum	1	3.20	0.45	0.10	0.14
	Template -7	cum	1	3.20	0.45	0.10	0.14
	Template -8	cum	1	3.25	0.45	0.10	0.15
	Template -9	cum	1	2.80	0.45	0.10	0.13
	Wetland bund u/s						
	Template -1	cum	1	4.00	0.45	0.10	0.18
	Template -2	cum	1	3.90	0.45	0.10	0.18
	Template -3	cum	1	3.90	0.45	0.10	0.18
	Template -4	cum	1	3.90	0.45	0.10	0.18
	Template -5	cum	1	3.90	0.45	0.10	0.18
	Template -6	cum	1	4.20	0.45	0.10	0.19
	Template -7	cum	1	4.20	0.45	0.10	0.19
	Template -8	cum	1	4.00	0.45	0.10	0.18
	Bund attatched to ring bund u/s						
	Template -1	cum	1	3.10	0.45	0.10	0.14
	Template -2	cum	1	3.60	0.45	0.10	0.16
	Template -3	cum	1	3.00	0.45	0.10	0.14
	Template -4	cum	1	2.80	0.45	0.10	0.13
	Template -5	cum	1	2.50	0.45	0.10	0.11
	Template -6	cum	1	1.10	0.45	0.10	0.05
	wetland u/s towords park						
	Template -1	cum	1	3.60	0.45	0.10	0.16
	Template -2	cum	1	4.00	0.45	0.10	0.18
	Template -3	cum	1	4.00	0.45	0.10	0.18
	wetland d/s towords park						
	Template -1	cum	1	3.90	0.45	0.10	0.18
	Template -2	cum	1	3.60	0.45	0.10	0.16
	Template -3	cum	1	3.70	0.45	0.10	0.17
	for Island-1 inside wetland						
	Template -1	cum	1	2.50	0.45	0.10	0.11
	Template -2	cum	1	2.50	0.45	0.10	0.11
	Template -3	cum	1	2.50	0.45	0.10	0.11
	for Island-2 inside wetland						
	Template -1	cum	1	3.50	0.45	0.10	0.16
	Template -2	cum	1	3.50	0.45	0.10	0.16
	Template -3	cum	1	3.50	0.45	0.10	0.16

PMC

Contractor

Environmental Engineer

Asst. Executive Engineer

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
	Template -4	cum	1	3.50	0.45	0.10	0.16
	Template -5	cum	1	3.50	0.45	0.10	0.16
	Template -6	cum	1	3.50	0.45	0.10	0.16
		cum					54.32

S — AE 12/4/17

	Recorded on:						
9	KSRB 5.2-3:Providing and constructing granite / trap / basalt size stone masonry in foundation CM 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m apart in eachcourse including cost of all materials, labour,curing complete as per specifications.Specification As directed by the engineer in charge						
	For Toe wall						
	Wetland bund	cum	2x5	30.00	0.60	0.60	108.00
		cum	2	29.00	0.60	0.60	20.88
	Bund attached to ring bund u/s	cum	3	30.00	0.60	0.60	32.40
		cum	1	4.20	0.60	0.60	1.51
	Bund attached to ring bund d/s	cum	2	30.00	0.60	0.60	21.60
		cum	1	6.15	0.60	0.60	2.21
	wetland u/s towords park	cum	1	27.25	0.60	0.60	9.81
	wetland d/s towords park	cum	1	18.85	0.60	0.60	6.79
	for Island-1 inside wetland	cum	1	23.00	0.60	0.60	8.28
	for Island-2 inside wetland	cum	1	30.00	0.60	0.60	10.80
		cum	1	13.50	0.60	0.60	4.86
	For Templates						
	Wetland bund d/s						
	Template -1	cum	1	3.00	0.45	0.45	0.61
	Template -2	cum	1	3.00	0.45	0.45	0.61
	Template -3	cum	1	3.00	0.45	0.45	0.61
	Template -4	cum	1	3.00	0.45	0.45	0.61
	Template -5	cum	1	3.25	0.45	0.45	0.66
	Template -6	cum	1	3.20	0.45	0.45	0.65
	Template -7	cum	1	3.20	0.45	0.45	0.65
	Template -8	cum	1	3.25	0.45	0.45	0.66
	Template -9	cum	1	2.80	0.45	0.45	0.57
	Wetland bund u/s						
	Template -1	cum	1	4.00	0.45	0.45	0.81
	Template -2	cum	1	3.90	0.45	0.45	0.79
	Template -3	cum	1	3.90	0.45	0.45	0.79
	Template -4	cum	1	3.90	0.45	0.45	0.79
	Template -5	cum	1	3.90	0.45	0.45	0.79
	Template -6	cum	1	4.20	0.45	0.45	0.85
	Template -7	cum	1	4.20	0.45	0.45	0.85
	Template -8	cum	1	4.00	0.45	0.45	0.81
	Bund attatched to ring bund u/s						
	Template -1	cum	1	3.10	0.45	0.45	0.63

PMC

Contractor

Environmental Engineer

Asst. Executive Engineer

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
	Template -2	cum	1	3.60	0.45	0.45	0.73
	Template -3	cum	1	3.00	0.45	0.45	0.61
	Template -4	cum	1	2.80	0.45	0.45	0.57
	Template -5	cum	1	2.50	0.45	0.45	0.51
	Template -6	cum	1	1.10	0.45	0.45	0.22
	wetland u/s towords park						
	Template -1	cum	1	3.60	0.45	0.45	0.73
	Template -2	cum	1	4.00	0.45	0.45	0.81
	Template -3	cum	1	4.00	0.45	0.45	0.81
	wetland d/s towords park						
	Template -1	cum	1	3.90	0.45	0.45	0.79
	Template -2	cum	1	3.60	0.45	0.45	0.73
	Template -3	cum	1	3.70	0.45	0.45	0.75
	for Island-1 inside wetland						
	Template -1	cum	1	2.50	0.45	0.45	0.51
	Template -2	cum	1	2.50	0.45	0.45	0.51
	Template -3	cum	1	2.50	0.45	0.45	0.51
	for Island-2 inside wetland						
	Template -1	cum	1	3.50	0.45	0.45	0.71
	Template -2	cum	1	3.50	0.45	0.45	0.71
	Template -3	cum	1	3.50	0.45	0.45	0.71
	Template -4	cum	1	3.50	0.45	0.45	0.71
	Template -5	cum	1	3.50	0.45	0.45	0.71
	Template -6	cum	1	3.50	0.45	0.45	0.71
		cum					**252.88**

Checked and admitted for payment

AE 29/4/17

29/4/17

	Recorded on:						
2	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification As directed by the engineer in charge						
	For Toe wall						
	Wetland bund	cum	2x5	30.00	0.60	0.075	13.50
		cum	2	29.00	0.60	0.075	2.61
	Bund attached to ring bund u/s	cum	3	30.00	0.60	0.075	4.05
		cum	1	4.20	0.60	0.075	0.19
	Bund attached to ring bund d/s	cum	2	30.00	0.60	0.075	2.70
		cum	1	6.15	0.60	0.075	0.28
	wetland u/s towords park	cum	1	27.25	0.60	0.075	1.23
	wetland d/s towords park	cum	1	18.85	0.60	0.075	0.85
	for Island-1 inside wetland	cum	1	23.00	0.60	0.075	1.04

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Contractor

Environmental Engineer

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Sl No	Item Name	Unit	Nos	L	B	D	Qty
	for Island-2 inside wetland	cum	1	30.00	0.60	0.075	1.35
		cum	1	13.50	0.60	0.075	0.61
	For Templates						
	Wetland bund d/s						
	Template -1	cum	1	3.00	0.45	0.075	0.10
	Template -2	cum	1	3.00	0.45	0.075	0.10
	Template -3	cum	1	3.00	0.45	0.075	0.10
	Template -4	cum	1	3.00	0.45	0.075	0.10
	Template -5	cum	1	3.25	0.45	0.075	0.11
	Template -6	cum	1	3.20	0.45	0.075	0.11
	Template -7	cum	1	3.20	0.45	0.075	0.11
	Template -8	cum	1	3.25	0.45	0.075	0.11
	Template -9	cum	1	2.80	0.45	0.075	0.09
	Wetland bund u/s						
	Template -1	cum	1	4.00	0.45	0.075	0.14
	Template -2	cum	1	3.90	0.45	0.075	0.13
	Template -3	cum	1	3.90	0.45	0.075	0.13
	Template -4	cum	1	3.90	0.45	0.075	0.13
	Template -5	cum	1	3.90	0.45	0.075	0.13
	Template -6	cum	1	4.20	0.45	0.075	0.14
	Template -7	cum	1	4.20	0.45	0.075	0.14
	Template -8	cum	1	4.00	0.45	0.075	0.14
	Bund attatched to ring bund u/s						
	Template -1	cum	1	3.10	0.45	0.075	0.10
	Template -2	cum	1	3.60	0.45	0.075	0.12
	Template -3	cum	1	3.00	0.45	0.075	0.10
	Template -4	cum	1	2.80	0.45	0.075	0.09
	Template -5	cum	1	2.50	0.45	0.075	0.08
	Template -6	cum	1	1.10	0.45	0.075	0.04
	wetland u/s towords park						
	Template -1	cum	1	3.60	0.45	0.075	0.12
	Template -2	cum	1	4.00	0.45	0.075	0.14
	Template -3	cum	1	4.00	0.45	0.075	0.14
	wetland d/s towords park						
	Template -1	cum	1	3.90	0.45	0.075	0.13
	Template -2	cum	1	3.60	0.45	0.075	0.12
	Template -3	cum	1	3.70	0.45	0.075	0.12
	for Island-1 inside wetland						
	Template -1	cum	1	2.50	0.45	0.075	0.08
	Template -2	cum	1	2.50	0.45	0.075	0.08
	Template -3	cum	1	2.50	0.45	0.075	0.08
	for Island-2 inside wetland						
	Template -1	cum	1	3.50	0.45	0.075	0.12
	Template -2	cum	1	3.50	0.45	0.075	0.12
	Template -3	cum	1	3.50	0.45	0.075	0.12
	Template -4	cum	1	3.50	0.45	0.075	0.12

Alcon Consulting Engineers (India) Pvt. Ltd. Bangalore PMC

Contractor

Environmental Engineer

Asst. Executive Engineer

Scanned by CamScanner